

PROGRESS REPORT: COMPLETION OF PHASE ONE

**PROJECT TITLE: Ensuring Access in Perpetuity to Sustainability Content
Using The University of Texas Digital Repository**

PART OF MEADOWS FOUNDATION GRANT #2008060137

PROJECT SUPERVISOR:

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PROJECT PRIMARY CONTRIBUTOR:

Robert Carter, Independent Metadata Librarian

Report prepared by Robert Carter, 2/8/2012
(revised 2/23/2012)

The goal of this project is to collect materials created by UT School of Architecture students and instructors of courses for which the Meadows Foundation had provided funding as part of the ongoing effort to create an updated curriculum with a focus on sustainability. As of February 9, 2012, I have finished 163.25 hours out of the 200 work hours covered by the project's budget. This marks the completion of phase one of the project, which focused on materials that were collected prior to the end of the Spring 2011 semester. The vast majority of this material came from the Fall 2009 Sustainable Design studio/seminar, from which we collected 19 student papers, the studio report *Public Transport System and Interchange*, 8 slide presentations in PDF format, and 9 lecture videos. (Originally there were six video recordings of lectures presented to the Sustainable Design Seminar; the first of these was subdivided into four shorter components to improve online accessibility.) In addition to these materials, I also cataloged Michael Garrison's report on integrating energy performance software into ARC 334L (ec 2 grant report4-2010.pdf) and added this document to the UTDR. For full details on the works collected during phase 1, see [table one](#) (pp. 3-5) of this report.

I am now ready to begin work on phase 2, which will focus on collecting and cataloging the remaining materials that we expect from Meadows funding recipients and adding these materials to the UTDR. For full details on these forthcoming items, see [table two](#) (p.6).

To view the Meadows Foundation Funded Projects collection in the UT Digital Repository, go to <https://repositories.lib.utexas.edu/handle/2152/10234>.

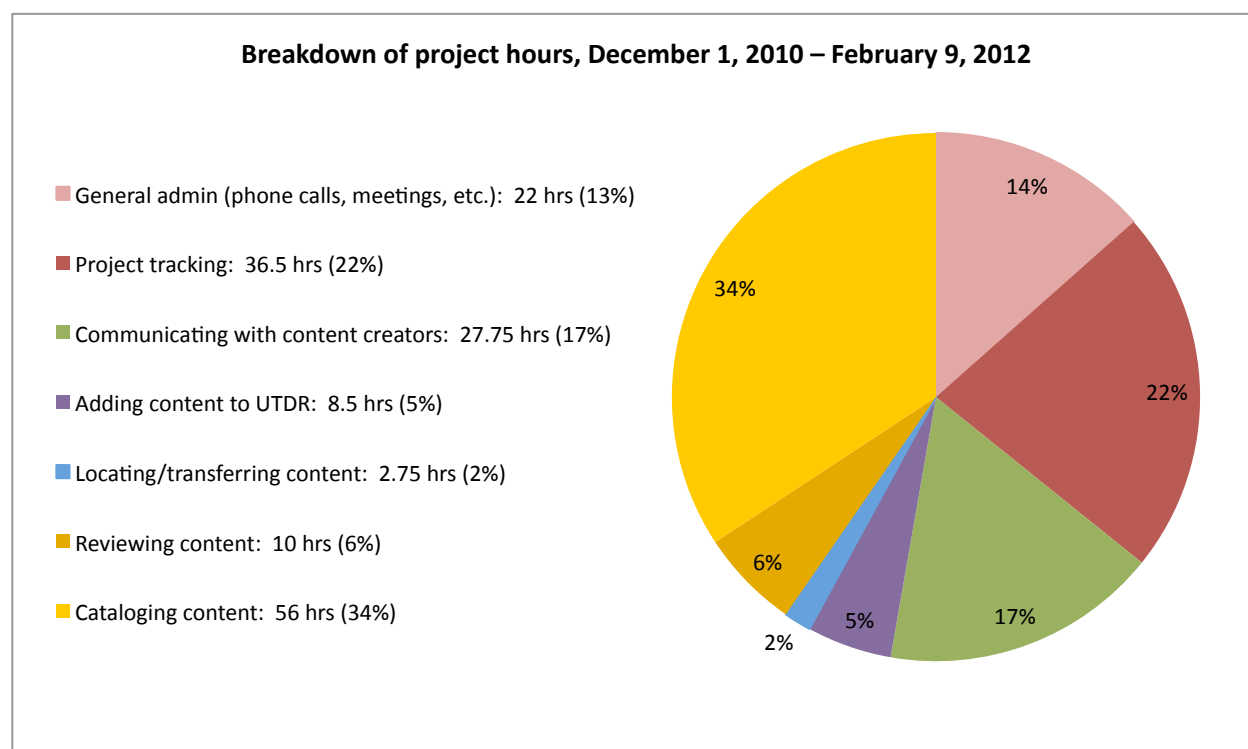


TABLE ONE: PHASE ONE MATERIALS (last updated: 2/23/2012)

| Course | Creator(s) | Title | File | Materials received | Permission | Metadata | Added to UTDR |
|---|--|--|--|--------------------|------------|----------|---------------|
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Lisa Storer, Chia-Hui Yang | Arup's environmental strategies: engineering + sustainability + architecture. Based on a lecture by Michael Sweeney. | 10-Storer_Yang-ARUPs_Environmental_Strategies.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Robert N. Astrich, Briana Walters | Flows | 2-Astrich_Walters-Flows.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Jenna Kamholz, Lisa Storer | Regional and historic standards of comfort | 2-Kamholz_Storer-Regional_Historic_Comfort.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Ross Galloway, Bhujon Kang | Space node place | 3-Galloway_Kang-Space_Node_Place.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Natalie Ward | Austin climate data | 3-Ward-Austin_Climate_Data.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Meredith Brown, Sky Lutz-Carrillo | Dematerialization: a changing paradigm in architecture | 4-Brown_Lutz-Carrillo-Dematerialization.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Robert N. Astrich, Alex Morris, Briana Walters | Daylight performance in mid/large buildings: basics, strategies, technologies | 5-Astrich_Morris_Walters-Daylight_Performance_in_Mid_Large_Buildings.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Cody Fithian, Ashleigh Powell | Cultural aspects of sustainable development | 5-Fithian_Powell-Cultural_Aspects_of_Sustainable_Development.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Cayce Bean, Randy Maddox, Natalie Ward | Sustainable cities: 21st century strategies for inhabitable urban regions | 6-Bean_Maddox_Ward-Sustainable_Cities.pdf | yes | yes | yes | yes |

Table One (continued)

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|---|--------------------------------|--|--|-----|-----|-----|-----|
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Ross Galloway, Meredith Brown | Thermal performance in mid/large buildings | 6-Galloway_Brown-Thermal_Performance_in_Mid_Large_Buildings.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Bhujon Kang, Sky Lutz-Carrillo | Indirect/passive air-flow systems | 7-Kang_Lutz-Carrillo-Indirect_Passive_Air_Flow_Systems.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Randy Maddox, Matthew Montry | Traditional and innovative cooling systems: Energy efficient, alternative strategies for thermal comfort | 8-Maddox_Montry-Traditional_Innovative_Cooling_Systems.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Jenna Kamholz, Matthey Montry | Indoor air quality | 8-Kamholz_Montry-Life_Cycle_Assessment.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Cody Fithian, Andrea Sheets | Green building materials: determining the true definition of green | 9-Fithian_Sheets-Green_Building_Materials.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Alex Morris, Andrea Sheets | Geothermal systems: system types, applicability and environmental impacts | 9-Morris_Sheets-Geothermal_Systems.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Cayce Bean, Chia-Hui Yang | Standards in sustainable landscape architecture | 4-Bean_Yang-Standards_in_Sustainable_Landscape_Architecture.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Michael Boduch, Warren Fincher | Standards of human comfort: relative and absolute | 1-Boduch_Fincher-Standards_of_Human_Comfort.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Michael Boduch, Warren Fincher | Time | 1-Boduch_Fincher-Time.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Life cycle assessment (lecture video & slides) | 090929 - Kohler - LIFE CYCLE ASSESSMENT.wmv; austin09_sem_4_building_lcm.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Time (lecture video & slides) | 090930 - Kohler - TIME.m4v; Austin09_sem_2_time.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Introduction (lecture - intro - video & slides) | 090928 - Kohler - INTRODUCTION.wmv; Austin09_sem_01_introduction.pdf | yes | yes | yes | yes |

Table One (continued)

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|---|--|--|---|-----|-----|-----|-----|
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | The railway station: a tower of Babel (lecture - part 1 - video) | 090928 - Kohler - BABEL.wmv | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Foundations of sustainable design: railway stations between place and node (lecture - part 2 - video & slides) | 090928 - Kohler - BETWEEN SPACE AND NODE.wmv; Austin09_sem_13_space_place.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Railway stations: the power of place (lecture - part 3 - video) | 090928 - Kohler - RAILWAYS.wmv | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Cultural aspects of sustainable development (lecture video & slides) | 091001 - Kohler - CULTURAL ASPECTS.wmv; Austin09_sem_5_cultural_aspects.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Niklaus Kohler | Flows (lecture video & slides) | 091002 - Kohler - FLOWS.wmv; Austin09_sem_3_flows.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Bruce L. Cutright | The case for geothermal energy | 091029 - Cutright - GEOTHERMAL.m4v; The Case for Geothermal Energy.pdf | yes | yes | yes | yes |
| Sustainable Design Seminar (Wang/Lang), Fall 2009 | Ricky Burdett | Sustainable cities (lecture slides) | Burdett UIT 2009.ppt | yes | yes | yes | yes |
| Sustainable Design Studio (Wang/Lang), Fall 2009 | Werner Lang, Wilfried Wang, Stefan Bader | Transit oriented development | fall_09_austin_main_railway_station.pdf | yes | yes | yes | yes |
| ARC 334L Environmental Controls II, Summer 2010 | Michael Garrison | Integrating energy performance software into Arc 334L; Environmental Controls II | ec 2 grant report4-2010.pdf | yes | yes | yes | yes |

TABLE TWO: PHASE TWO MATERIALS

| Course | Creators | Materials | Received | Permission | Metadata | Added to UTDR |
|---|-------------------------------|---|----------------------|------------|----------|---------------|
| Plans & Plan making & UD Studio | Dean Almy, Robert Paterson | A final report encompassing descriptive case studies of each software package reviewed | (expected 8/31/2011) | no | no | no |
| re-Design IV Studio | Nichole Wiedemann | digitally recorded lectures | | no | no | no |
| ARI 434K construction II | Tamie Glass | one page final report | (expected 8/31/2011) | no | no | no |
| Undergrad course, grad seminar | Fernando Lara | documentation of Jorge Juaregui/Complexo do Aemao; documentation of flooding urbanism/MMBB architects at Paraisopolis | (expected 8/31/2011) | no | no | no |
| Interdisciplinary studio retrofitting suburbia | Steven Moore, B. Brown Wilson | reader compiled from research and background materials | (expected 8/31/2011) | no | no | no |
| ID seminar-- the sustainable interior | Lois Weinthal | ten case study examples; one page progress report and final report | (expected 8/31/2011) | no | no | no |
| Site design | David Heymann | pdf version of compiled reader | (expected 8/31/2011) | no | no | no |
| History and theory of Landscape Architecture I & II | Mirka Benes, Lynn Osgood | fifteen comparative case study curriculum units w/ bibliographies; evaluation rubrics; two grant reports | (expected 5/31/2012) | no | no | no |
| construction V: materials and detailing | Elizabeth Danze | case studies, construction documents | (expected 1/15/2012) | no | no | no |
| the sustainable Italian city | Smilja Milovanovic-Bertram | report on outcome of Fall 2011; booklet of studio work | (expected 1/15/2012) | no | no | no |